INDEX

Adamou, A. T. I., Craster, R. V. & Llewellyn Smith, S. G. Trapped edge waves in stratified rotating fluids: numerical and asymptotic results, 195–220

Alam, M. *See* Lakkaraju & Alam

Bambrey, R. R., Reinaud, J. N. & Dritschel, D. G. Strong interactions between two corotating quasi-geostrophic vortices, 117–133

Benzi, R. *See* Gualtieri, Casciola, Benzi & Piva

Bławzdziewicz, J. *See* Zurita-Gotor, Bławzdziewicz & Wajnryb

Bottaro, A. *See* Nouar, Bottaro & Brancher

Brancher, J. P. *See* Nouar, Bottaro & Brancher

Brandt, L. K. & Nomura, K. K. The physics of vortex merger and the effects of ambient stable stratification, 413–446

Carberry, J. & Sheridan, J. Wake states of a tethered cylinder, 1–21

Casciola, C. M. *See* Gualtieri, Casciola, Benzi & Piva

Chakraborty, S. & Chatterjee, D. An enthalpy-based hybrid lattice-Boltzmann method for modelling solid–liquid phase transition in the presence of convective transport, 155–175

Chatterjee, D. *See* Chakraborty & Chatterjee

Craster, R. V. *See* Adamou, Craster & Llewellyn Smith

Dritschel, D. G. *See* Bambrey, Reinaud & Dritschel

Eloranta, H. *See* Hsu, Eloranta, Saarenrinne & Wei

Flack, K. A. *See* Volino, Schultz & Flack

Govindarajan, R. *See* Selvam, Merk, Govindarajan & Meiburg

Graham, J. M. R. *See* Miliou, de Vecchi, Sherwin & Graham

Gualtieri, P., Casciola, C. M., Benzi, R. & Piva, R. Preservation of statistical properties in large-eddy simulation of shear turbulence, 471–494

Heaton, C. J. Optimal growth of the Batchelor vortex viscous modes, 495–505

Howe, M. S. & McGowan, R. S. Sound generated by aerodynamic sources near a deformable body, with application to voiced speech, 367–392

Hsu, T. Y., Eloranta, H., Saarenrinne, P. & Wei, T. Turbulent flow through a rectangular duct with a partially blocked exit, 51–78

Ishihara, T., Kaneda, Y., Yokokawa, M., Itakura, K. & Uno, A. Small-scale statistics in high-resolution direct numerical simulation of turbulence: Reynolds number dependence of one-point velocity gradient statistics, 335–366

Itakura, K. *See* Ishihara, Kaneda, Yokokawa, Itakura & Uno

Jirka, G. H. *See* Negretti, Zhu & Jirka

Kalliadasis, S. *See* Trevelyan, Scheid, Ruyer-Quil & Kalliadasis

Kaneda, Y. *See* Ishihara, Kaneda, Yokokawa, Itakura & Uno

Kanso, E. *See* Nair & Kanso

Kevlahan, N. K.-R. Three-dimensional Floquet stability analysis of the wake in cylinder arrays, 79–88

Lakkaraju, R. & Alam, M. Effects of Prandtl number and a new instability mode in a plane thermal plume, 221–231

Llewellyn Smith, S. G. *See* Adamou, Craster & Llewellyn Smith

INDEX

Adamou, A. T. I., Craster, R. V. & Llewellyn Smith, S. G. Trapped edge waves in stratified rotating fluids: numerical and asymptotic results, 195–220

Alam, M. *See* Lakkaraju & Alam

Bambrey, R. R., Reinaud, J. N. & Dritschel, D. G. Strong interactions between two corotating quasi-geostrophic vortices, 117–133

Benzi, R. *See* Gualtieri, Casciola, Benzi & Piva

Bławzdziewicz, J. *See* Zurita-Gotor, Bławzdziewicz & Wajnryb

Bottaro, A. *See* Nouar, Bottaro & Brancher

Brancher, J. P. *See* Nouar, Bottaro & Brancher

Brandt, L. K. & Nomura, K. K. The physics of vortex merger and the effects of ambient stable stratification, 413–446

Carberry, J. & Sheridan, J. Wake states of a tethered cylinder, 1–21

Casciola, C. M. *See* Gualtieri, Casciola, Benzi & Piva

Chakraborty, S. & Chatterjee, D. An enthalpy-based hybrid lattice-Boltzmann method for modelling solid–liquid phase transition in the presence of convective transport, 155–175

Chatterjee, D. *See* Chakraborty & Chatterjee

Craster, R. V. *See* Adamou, Craster & Llewellyn Smith

Dritschel, D. G. *See* Bambrey, Reinaud & Dritschel

Eloranta, H. *See* Hsu, Eloranta, Saarenrinne & Wei

Flack, K. A. *See* Volino, Schultz & Flack

Govindarajan, R. *See* Selvam, Merk, Govindarajan & Meiburg

Graham, J. M. R. *See* Miliou, de Vecchi, Sherwin & Graham

Gualtieri, P., Casciola, C. M., Benzi, R. & Piva, R. Preservation of statistical properties in large-eddy simulation of shear turbulence, 471–494

Heaton, C. J. Optimal growth of the Batchelor vortex viscous modes, 495–505

Howe, M. S. & McGowan, R. S. Sound generated by aerodynamic sources near a deformable body, with application to voiced speech, 367–392

Hsu, T. Y., Eloranta, H., Saarenrinne, P. & Wei, T. Turbulent flow through a rectangular duct with a partially blocked exit, 51–78

Ishihara, T., Kaneda, Y., Yokokawa, M., Itakura, K. & Uno, A. Small-scale statistics in high-resolution direct numerical simulation of turbulence: Reynolds number dependence of one-point velocity gradient statistics, 335–366

Itakura, K. *See* Ishihara, Kaneda, Yokokawa, Itakura & Uno

Jirka, G. H. *See* Negretti, Zhu & Jirka

Kalliadasis, S. *See* Trevelyan, Scheid, Ruyer-Quil & Kalliadasis

Kaneda, Y. *See* Ishihara, Kaneda, Yokokawa, Itakura & Uno

Kanso, E. *See* Nair & Kanso

Kevlahan, N. K.-R. Three-dimensional Floquet stability analysis of the wake in cylinder arrays, 79–88

Lakkaraju, R. & Alam, M. Effects of Prandtl number and a new instability mode in a plane thermal plume, 221–231

Llewellyn Smith, S. G. *See* Adamou, Craster & Llewellyn Smith

McGowan, R. S. *See* Howe & McGowan

Meiburg, E. *See* Selvam, Merk, Govindarajan & Meiburg

Merk, S. *See* Selvam, Merk, Govindarajan & Meiburg

Miliou, A., de Vecchi, A., Sherwin, S. J. & Graham, J. M. R. Wake dynamics of external flow past a curved circular cylinder with the free stream aligned with the plane of curvature, 89–115

Nair, S. & Kanso, E. Hydrodynamically coupled rigid bodies, 393–411

Negretti, M. E., Zhu, D. Z. & Jirka, G. H. Barotropically induced interfacial waves in two-layer exchange flows over a sill, 135–154

Nomura, K. K. *See* Brandt & Nomura

Nouar, C., Bottaro, A. & Brancher, J. P. Delaying transition to turbulence in channel flow: revisiting the stability of shear-thinning fluids, 177–194

Piva, R. *See* Gualtieri, Casciola, Benzi & Piva

Reinaud, J. N. *See* Bambrey, Reinaud & Dritschel

Ruyer-Quil, C. *See* Trevelyan, Scheid, Ruyer-Quil & Kalliadasis

Ryan, K. *See* Sheard & Ryan

Saarenrinne, P. *See* Hsu, Eloranta, Saarenrinne & Wei

Scheid, B. *See* Trevelyan, Scheid, Ruyer-Quil & Kalliadasis

Schultz, M. P. *See* Volino, Schultz & Flack

Selvam, B., Merk, S., Govindarajan, R. & Meiburg, E. Stability of miscible core–annular flows with viscosity stratification, 23–49

Sheard, G. J. & Ryan, K. Pressure-driven flow past spheres moving in a circular tube, 233–262

Sheridan, J. *See* Carberry & Sheridan

Sherwin, S. J. *See* Miliou, de Vecchi, Sherwin & Graham

Trevelyan, P. M. J., Scheid, B., Ruyer-Quil, C. & Kalliadasis, S. Heated falling films, 295–334

Uno, A. *See* Ishihara, Kaneda, Yokokawa, Itakura & Uno

de Vecchi, A. *See* Miliou, de Vecchi, Sherwin & Graham

Volino, R. J., Schultz, M. P. & Flack, K. A. Turbulence structure in rough- and smooth-wall boundary layers, 263–293

Wajnryb, E. *See* Zurita-Gotor, Bławzdziewicz & Wajnryb

Wei, T. *See* Hsu, Eloranta, Saarenrinne & Wei

Yokokawa, M. *See* Ishihara, Kaneda, Yokokawa, Itakura & Uno

Zhu, D. Z. *See* Negretti, Zhu & Jirka

Zurita-Gotor, M., Bławzdziewicz, J. & Wajnryb, E. Swapping trajectories: a new wall-induced cross-streamline particle migration mechanism in a dilute suspension of spheres, 447–469